

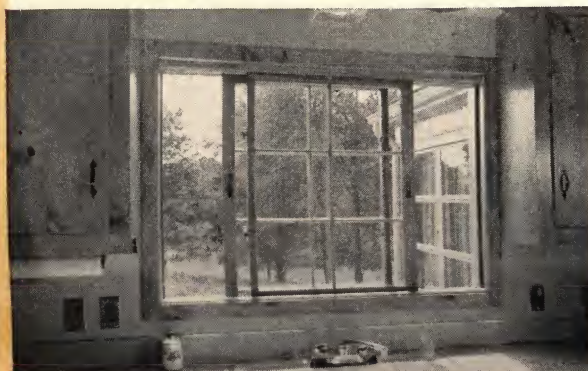
# R·O·W<sup>®</sup>

## wood WINDOW units



**SPRING  
CUSHION  
DOUBLE  
HUNG**

**2-3**



**HIGH-LITE  
GLIDING**

**4-5**



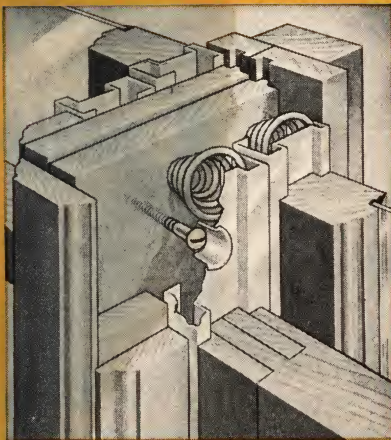
**SURE-LOK  
AWNING**

**6-7**

**R·O·W SALES CO., FERNDALE, MICH.**



# R·O·W Removable SPRING CUSHION Double-Hung Windows



The R·O·W Removable (Spring Cushion) Double-Hung Window is a complete, prefabricated, weatherstripped unit of standard design. It reaches the job site ready for installation in construction of any type—frame, brick or stone veneer, or solid masonry.

Small corrosion-resistant steel springs on the floating jamb side maintain constant weather-snug compression yet permit smooth easier operation with the assistance of the NEW LIFT-LOX BALANCE of coated coil springs within the stationary metals. Air leaking sash clearance is eliminated and additional room for overhead balances on extra large units is eliminated.

## OPERATION



**1** **PRESS AND REMOVE** Move lower sash up, upper sash down, as shown. Push each window to left. Right edge swings out.



**2** **WASH OR PAINT** Window is cleaned comfortably, indoors. Painting is easy, too.



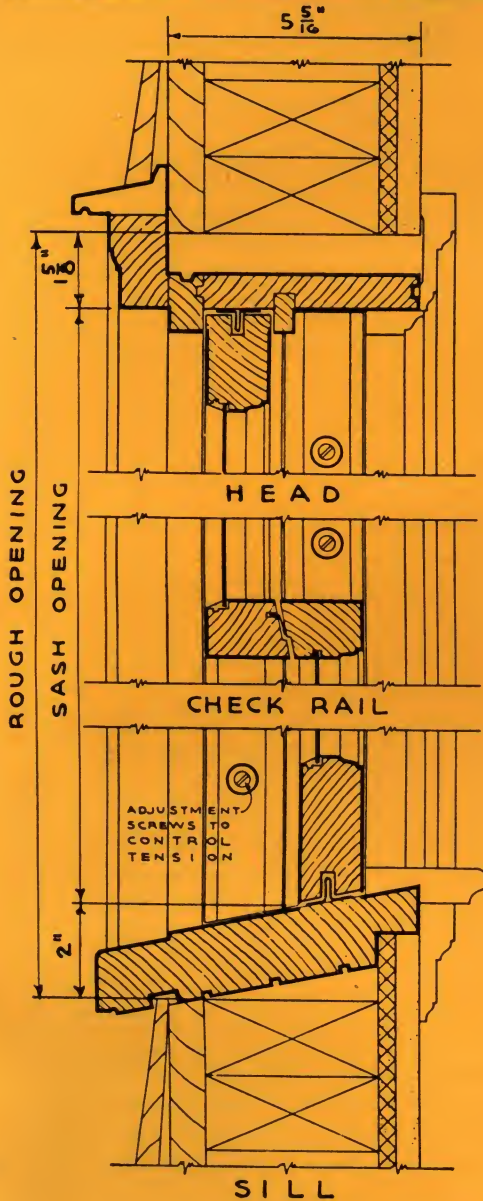
**3** **REPLACE** Reverse procedures listed above as step No. 1. Replace sash above Lift-Lox balance shelf and lower.

## ADVANTAGES

- **smooth operation** R·O·W Windows operate easily. The corrosion-resistant steel springs hold the window firmly in any chosen position.
- **weather tightness** The weatherstripping features of the jamb guide design are complemented by weatherstripping at sill, head, and meeting rails. The result is maximum weathertightness.
- **easy to clean or paint** The simple removal of R·O·W Windows allows easy cleaning or painting indoors. Painter and window washer never have to climb ladders or perch on the window ledge.
- **for all construction types** R·O·W Windows can be used on all types of home construction—frame, brick or stone veneer, or solid masonry. Standard screens, storm sash, and hardware can be applied in the conventional manner.
- **simple installation** R·O·W Windows can be shipped built-up, ready to insert in the rough opening. For easier and safer handling, the sash may be removed and stored away from the frame.
- **wide acceptance** R·O·W Windows have won the approval of discriminating architects, builders, and home owners everywhere for unswerving quality, dependability, and lasting, trouble-free service.



## typical details and construction data



R·O·W WINDOWS are manufactured by 41 authorized distributors throughout the United States. Each has been selected because of the high quality of its workmanship and its ability to make prompt deliveries.

In some cases there may be minor variations from the drawings shown on this page. These drawings do, however, illustrate typical construction details of R·O·W Windows. For further information about installation of R·O·W Window Units, see your nearest lumber dealer, or call the R·O·W manufacturer in your vicinity. A list of these distributors appears on the back cover of this catalog.

**types and sizes** R·O·W Windows are furnished in a complete range of window types and modular sizes to blend with any architectural style. Available muntin combinations include 2 light, 4 light modern, vertical light over 1 light, and top and bottom divided lights.

### ROUGH OPENINGS—FRAME CONSTRUCTION

Add the following to 2-light glass dimensions:

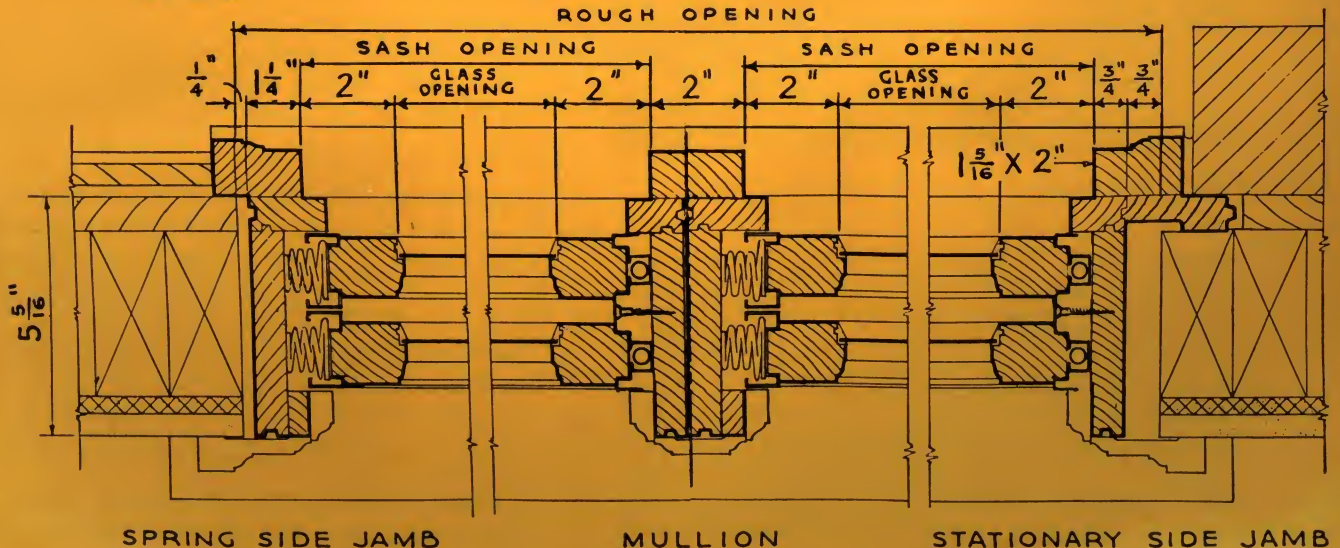
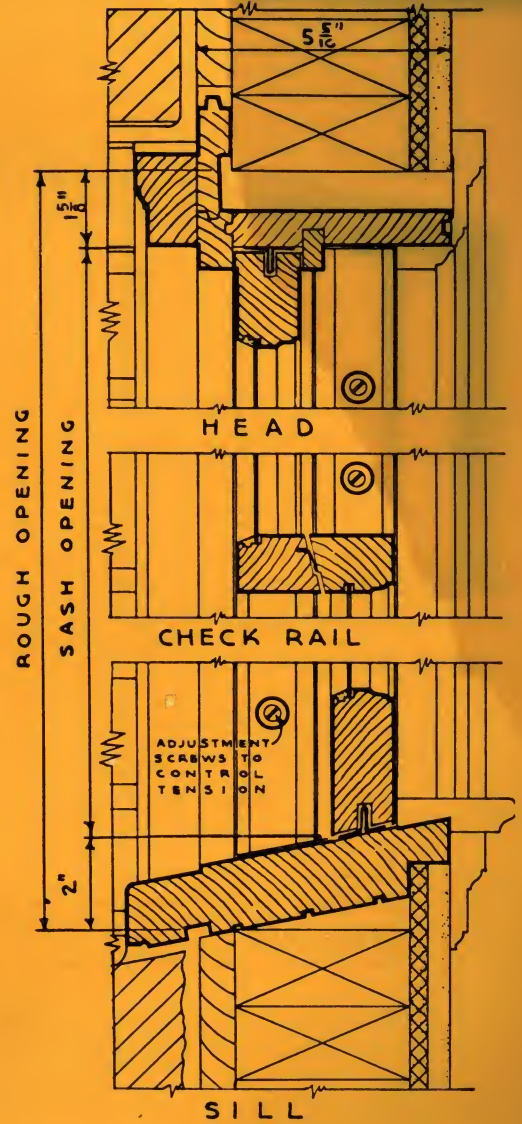
| Universal Window Openings |              |           |  |
|---------------------------|--------------|-----------|--|
|                           | Width        | Height    |  |
| Single                    | add..... 7"  | ..... 10" |  |
| Mullion                   | add..... 13" | ..... 10" |  |
| Triple                    | add..... 19" | ..... 10" |  |

Rough openings of mullion windows are based on 2" mullions.

### Lift-Lox Balance

New Lift-Lox coil spring balance available for stationary metals.

Scale — 3" = 1'0"



SPRING SIDE JAMB      MULLION      STATIONARY SIDE JAMB  
FRAME WALL CONSTRUCTION      BRICK VENEER WALL CONSTRUCTION



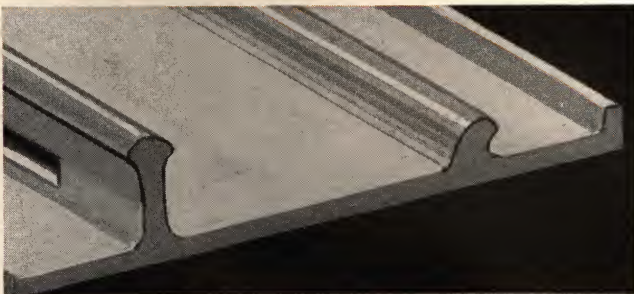


R·O·W HIGH-LITE GLIDING WINDOWS incorporate the spring cushion removable principle which has been so very successful in R·O·W Double Hung Windows. Small corrosion-resisting steel springs between the frame header and R·O·W head sash guides force the sash down on the aluminum sill guides holding the sash firmly and snugly in any position and allowing easy movement. The vertical meeting rail design, complemented by weatherstripping assures complete weathertightness when windows are closed.

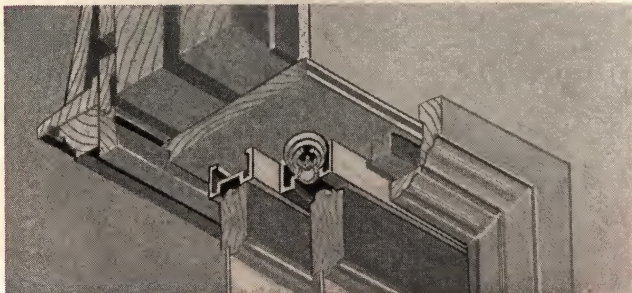
## OPERATION

- 1 **PRESS UPWARD AND REMOVE** Press inner sash upward against R·O·W Spring Cushioned Sash Guides. Bottom rail swings in for easy removal. Outer sash is removed in same simple fashion.
- 2 **WASH OR PAINT** Both sides of each window are readily cleaned indoors. Wood may be cleaned or painted with equal ease.
- 3 **REPLACE** Reverse the removal steps to replace. Make certain the outer sash is replaced first.

## FEATURES



METAL SILL



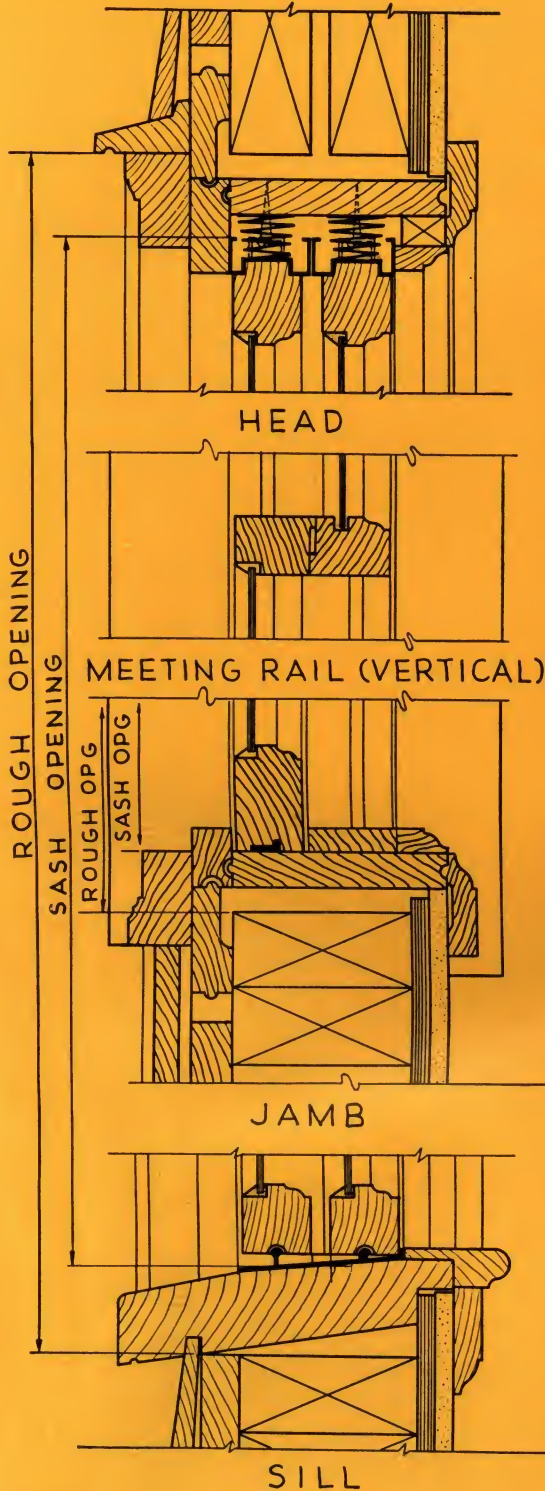
HEAD CONSTRUCTION

- **spring cushion design** Long-lived, corrosion-resistant springs between top sash guides and frame assure lasting, weathertight fit at head and sill. The sash moves freely, yet is held firmly in any position.
- **meeting rails** Meeting rails are specially designed for perfect mating and weathertight fit. Integral weatherstripping is used to complement this design.
- **metal sills** The windows glide on extruded aluminum sill strips which keep each sash in its own plane. The lower rails are grooved to fit the sill guides.
- **save wall space** R·O·W HIGH-LITE Windows save valuable wall space and provide ventilation control by adjustment of either sash or removal of both.
- **privacy** High placement of windows in bedrooms, baths and kitchens follows the contemporary trend toward functional homes.



### typical details and construction data

Scale — 3" = 1'0"



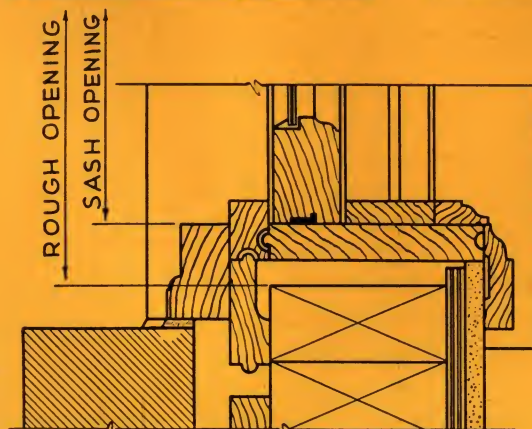
FRAME WALL CONSTRUCTION

In some instances there may be slight variations in R-O-W windows manufactured by the 41 outstanding companies licensed to produce them. The drawings, however, show typical construction details. Contact the R-O-W Manufacturer nearest you listed on the back cover of this catalog for exact details.

**Types and Sizes**—R-O-W HIGH-LITE Gliding Window heights and sizes are shown in the drawings. Two or more units can be combined for multiple unit installations where desired.

#### Sizes

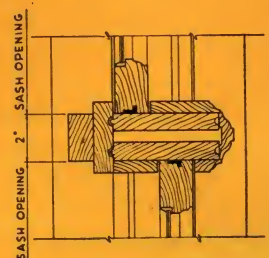
| ROUGH OPG<br>SASH<br>OPG | 4-0<br>3-9 | 4-8<br>4-5 | 5-4<br>5-1 |
|--------------------------|------------|------------|------------|
| 2-4<br>2-0               |            |            |            |
| 2-8<br>2-4               |            |            |            |
| 3-0<br>2-8               |            |            |            |
| 3-4<br>3-0               |            |            |            |
| 3-8<br>3-4               |            |            |            |
| 4-4<br>4-0               |            |            |            |
| 4-8<br>4-4               |            |            |            |



BRICK VENEER WALL CONSTRUCTION

#### MULLION

Scale — 1 1/2" = 1'0"





# R·O·W

## SURE-LOK Awning Windows



### FEATURES

- **tight closing** R·O·W SURE-LOK Awning Type Windows close tightly without excessive pressure. Normal, effortless turning of the operating handle brings every sash down firmly against the frame.
- **automatic locking** When sash are closed, they are locked in that position by R·O·W's automatic locking device. Lugs on the operating bars engage hooks on the sash, and each sash is tightly locked at each of its four corners.
- **weather tightness** Pressure of the sash in the closed position against refrigerator-type, neoprene weatherstripping effects a snug and positive weathertight seal. There is no clearance or crack through which air, snow or rain can find its way.
- **smooth, easy operation** Operation is smooth, sure and easy—so easy that a small child can open the window wide or close it tightly.
- **appearance** R·O·W Awning Type Windows are attractively designed. They blend perfectly with contemporary architecture.

R·O·W SURE-LOK Awning Type Windows are designed for easy operation and snug, positive closing. The sash operate on vertical operating bars, with an automatic locking device, entirely concealed, which assures complete closing without excessive pressure. Normal, effortless turning of the operator handle does the whole job.

### OPERATION

1

While sash close toward the frame, operating bars move up. Movement of the two bars (one on each side of the window) is always uniform and positive.



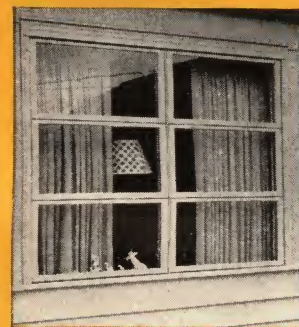
2

As the bars move up, lugs on the bars engage hooks on the sash. The wedging action thus developed pulls the sash in snugly against the frame.



3

The sash are drawn in snug, and pressure against the neoprene weatherstripping effects a complete, weathertight seal. Automatic locking begins at this point.



4

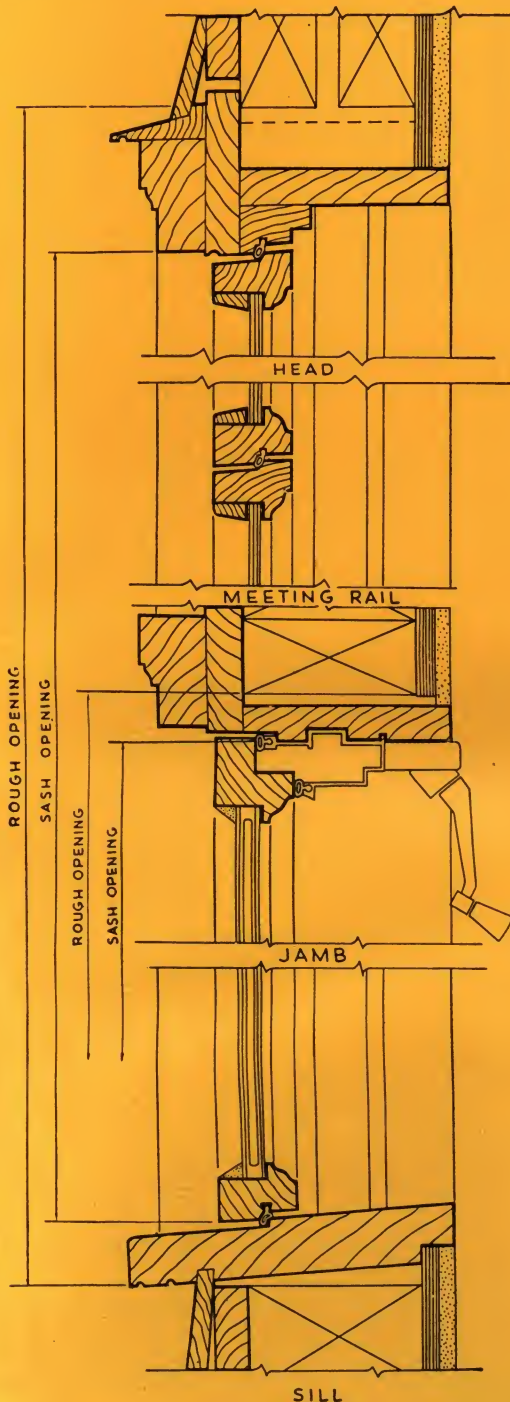
In the final locked stage of R·O·W operation, hooks have moved in. The hand lever, (lower left hand corner) provides positive locking of the entire unit.





## typical details and construction data

Scale — 3" = 1'0"



FRAME WALL CONSTRUCTION

R·O·W Sure-Lok Awning Type Windows, like R·O·W Removable Double-Hung and R·O·W HIGH-LITE Gliding Windows, are manufactured by authorized distributors throughout the United States. Each manufacturer has been carefully selected for its soundness, the high quality of its workmanship, and its ability to make prompt delivery on every order.

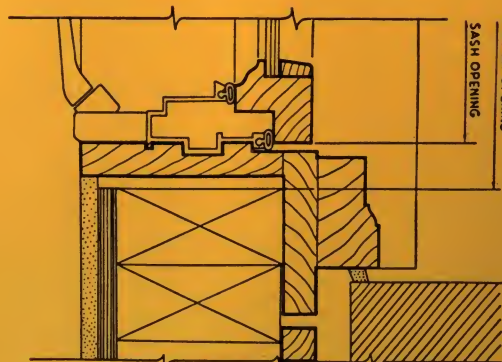
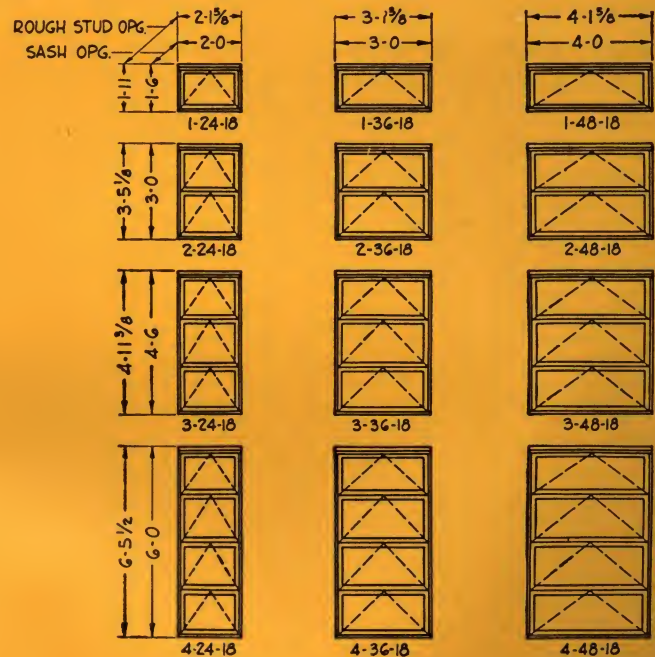
There may be slight variations in R·O·W Awning Type Windows made by individual manufacturers. The drawings on this page, however, show typical construction details of all R·O·W Awning Type Windows.

**multiple units**—To determine the width of rough opening required for multiple units, multiply nominal sash widths and add 2 inches.

**picture window units**—Picture window units with two operating sash can be supplied in any desired width for glazing with 1/4 inch plate or insulated plate panels. Rough opening width will be the sum of picture window width and nominal width of both operating sash, plus 2 inches.

**fixed sidelights**—R·O·W Awning Type Windows can also be furnished with 18 inch fixed sidelight sash on each side of operating sash. Muntins in sidelights align with sash muntins. To determine rough opening width, add nominal width of all sash plus 2 inches.

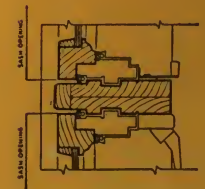
### Sizes



BRICK VENEER WALL CONSTRUCTION

### MULLION

Scale — 1 1/2" = 1'0"





# Short Form Specifications for R-O-W WINDOWS

## Spring-Cushion Double-Hung

All windows shall be Removable, Spring Cushion, Double-Hung Windows of (Ponderosa Pine, Douglas Fir, or other specified wood), as manufactured and sold under agreement with R-O-W Sales Co., Ferndale, Michigan, in accordance with sizes and dimensions shown on drawings and/or schedules.

All windows shall be assembled in a workmanlike manner to assure weathertight construction and sure, normal operation. Windows shall be constructed with integral weatherstripping. Sash shall be removable and replaceable from inside without tools. Windows shall be capable of instant adjustment to any position.

## Gliding

All windows shall be horizontal gliding windows of (Ponderosa Pine, Douglas Fir, or other specified wood), of sizes and dimensions shown on drawings and/or schedules, as manufactured and sold under agreement with R-O-W Sales Co., Ferndale, Michigan.

All windows shall be assembled in a workmanlike manner to assure weathertight construction and sure, normal operation. Windows shall be constructed with integral weatherstripping, and meeting rails shall be designed for positive, weathertight closing. Sash shall be easily removable from inside without tools, shall be capable of instant adjustment to any position, and shall hold any selected position firmly without chatter or endplay.

## Awning Type

All windows shall be awning type windows of (Ponderosa Pine, Douglas Fir, or other specified wood), of sizes and dimensions shown on drawings and/or schedules, as manufactured and sold under agreement with R-O-W Sales Co., Ferndale, Michigan.

All windows shall be assembled in a workmanlike manner to assure weathertight construction and sure, normal operation. Sash shall open to a minimum angle of 70° from the vertical, shall be adjustable to any intermediate position, shall be positively and automatically locked at all corners when fully closed, and shall be provided with integral weatherstripping to effect a weathertight fit in the closed position.

## Authorized Distributors

### ALABAMA

R-O-W DISTRIBUTORS  
Rocky Mount, Virginia

### ARKANSAS

CENTRAL R-O-W DISTRIBUTORS OF  
ARKANSAS  
North Little Rock, Arkansas

### CALIFORNIA

CALIFORNIA BUILDERS SUPPLY, INC.  
Richmond, Fresno, Sacramento  
T. M. COBB CO.  
Los Angeles, San Diego

### COLORADO

LUMBER DEALERS, INC.  
Denver, Colorado

### CONNECTICUT

GENERAL WOODCRAFT CO., INC.  
North Bergen, New Jersey

### DELAWARE & DISTRICT OF COLUMBIA

DEALERS WAREHOUSE SUPPLY CO.,  
INC.  
Baltimore, Maryland and  
Arlington, Virginia

### FLORIDA

V. E. ANDERSON MFG. CO., INC.  
Bradenton, Fla.

### GEORGIA

R-O-W DISTRIBUTORS  
Rocky Mount, Virginia

### IDAHO

BOISE SASH & DOOR, INC.  
Boise, Idaho  
JOHNSON BROS. PLANING MILL CO.  
Idaho Falls, Idaho

### ILLINOIS

V. E. ANDERSON MFG. CO., INC.  
Owensboro, Kentucky  
IMSE-SCHILLING SASH & DOOR CO.  
St. Louis, Missouri  
R-O-W WINDOW CO.  
Joliet, Illinois

### INDIANA

V. E. ANDERSON MFG. CO., INC.  
Owensboro, Kentucky  
R-O-W WHOLESALE DISTRIBUTORS,  
INC.  
Norwood, Ohio  
R-O-W WINDOW CO.  
Joliet, Illinois

### IOWA

ANDREW A. KINDEM & SONS, INC.  
Minneapolis, Minnesota  
WISCONSIN WINDOW UNIT CO.  
Merrill, Wisconsin

### KANSAS

MARTIN MATERIAL CO.  
Kansas City, Missouri

### KENTUCKY

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Owensboro, Kentucky  
R-O-W WHOLESALE DISTRIBUTOR,  
INC.  
Norwood, Ohio

### MAINE

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North Bergen, New Jersey

### MARYLAND

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INC.  
Baltimore, Maryland

### MASSACHUSETTS

GENERAL WOODCRAFT CO., INC.  
North Bergen, New Jersey

### MICHIGAN

FLINT SASH & DOOR CO., INC.  
Flint, Saginaw, Michigan  
PORTER-HADLEY CO.  
Grand Rapids, Michigan  
ROYAL OAK WHOLESALE CO.  
Royal Oak, Michigan

### MINNESOTA

ANDREW A. KINDEM & SONS, INC.  
Minneapolis, Minnesota

### MISSOURI

IMSE-SCHILLING SASH & DOOR CO.  
St. Louis, Missouri  
MARTIN MATERIAL CO.  
Kansas City, Missouri

### MONTANA

FALLS WINDOW & CABINET SHOP  
Great Falls, Montana  
INTERSTATE LUMBER CO.  
Missoula, Montana  
WESTERN BUILDERS  
Billings, Montana

### NEBRASKA

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Grand Island, Nebraska

### NEW HAMPSHIRE

GENERAL WOODCRAFT CO., INC.  
North Bergen, New Jersey

### NEW JERSEY

GENERAL WOODCRAFT CO., INC.  
North Bergen, New Jersey  
JOHNSON & WIMSATT, INC.  
Westville, New Jersey

### NEW YORK

GENERAL WOODCRAFT CO., INC.  
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A. ROBERSON & SON, INC.  
Binghamton, New York  
THE WHITMER-JACKSON CO., INC.  
Buffalo, Rochester, New York

### NORTH CAROLINA

DALTON-BUNDY LUMBER CO., INC.  
Norfolk, Virginia  
MILLER MILLWORK CORP.  
Charlotte, North Carolina  
R-O-W DISTRIBUTORS  
Rocky Mount, Virginia

### NORTH DAKOTA

JACK R. KINNARD & CO.  
Minot, North Dakota

### OHIO

FABROW MFG., INC.  
Toledo, Ohio  
THE MAHONEY SASH & DOOR CO.  
Canton, Youngstown, Ohio  
R-O-W WHOLESALE DISTRIBUTORS,  
INC.  
Norwood, Ohio

### OKLAHOMA

LUMBERMEN'S SUPPLY CO.  
Oklahoma City, Oklahoma

### OREGON

ACME MILLWORK, INC.  
Kirkland, Washington  
SPOKANE SASH & DOOR CO.  
Spokane, Washington

### PENNSYLVANIA

ADELMAN LUMBER CO.  
Pittsburgh, Pennsylvania  
JOHNSON & WIMSATT, INC.  
Westville, New Jersey  
A. ROBERSON & SON, INC.  
Binghamton, New York

### RHODE ISLAND

GENERAL WOODCRAFT CO., INC.  
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R-O-W DISTRIBUTORS  
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### SOUTH DAKOTA

WATEROWN SASH & DOOR CO.  
Watertown, South Dakota

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R-O-W DISTRIBUTORS  
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### TEXAS

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KRITZER SUPPLY CO.  
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Dallas, Texas  
SOUTHWEST SASH & DOOR CO.  
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H. E. WOODRUFF CO.  
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HAYWARD BUILDING SUPPLIES, LTD.  
Edmonton, Alberta, Canada  
MT. PLEASANT SASH & DOOR CO.  
Vancouver, B. C., Canada  
D. PORTER & SON  
Stellarton, Nova Scotia  
CUSHING MILLS, LTD.  
Calgary, Alberta, Canada

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